

IN THE CLAIMS

Claims 1-75. (canceled)

Claim 76. (previously presented) An information signal recording/reproducing system using a recording medium having formed thereon an area different from an area for recording information signals and in which medium-related information is recorded or having a unit accompanying the recording medium in which the medium-related information is recorded and including a recording device for recording the information signals on the recording medium and a reproducing device for reproducing the information signals recorded on the recording medium,

the recording device comprising:

recording-side medium-related reading means for reading the medium-related information from one of the recording medium and the unit accompanying the recording medium;

information adding means for adding the medium-related information read by the recording-side medium-related information reading means to the information signals; and

recording means for recording the information signals to which the medium-related information has been added by the information adding means on the recording medium;

the reproducing device comprising:

reproducing-side medium-related information reading means for reading the medium-related information from one of the recording medium and the unit accompanying the recording medium;

information signal reading means for reading the information signals from the recording medium;

detecting means for detecting the medium-related information added to the information signals in the information signals read by the information signal reading means;

determining means for determining whether the medium-related information from the reproducing-side medium-related information from the reproducing-side medium-related information reading means is consistent with the medium-related information detected by the detecting means; and

control means for prohibiting the reproduction of the information signals if the medium-related information from the reproducing-side medium-related information reading means is not consistent with the medium-related information detected by the detecting means, wherein

said information adding means comprises

means for providing first code, and

means for superimposing the medium-related information from the recording-side medium-related information reading means using said first code, and

said detecting means comprises

means for providing second code for providing code identical with said first code, and

means for detecting the medium-related information superimposed on the information signal by processing a detecting process using said second code.

Claim 77. (Previously presented) An information signal reproducing device for reproducing information signals to which medium-related information has been added and which are recorded on a recording medium having formed thereon an area different from an area for recording the information signals and in which the medium-related information is recorded or having a unit accompanying the recording medium in which the medium-related information is recorded, the reproducing device comprising:

medium-related information reading means for reading the medium-related information from one of the recording medium and the unit accompanying the recording medium;

information signal reading means for reading the information signals from the recording medium;

detecting means for detecting the medium-related information added to the information signals read by the information signal reading means;

determining means for determining whether the medium-related information from the reproducing-side medium-related

information reading means is consistent with the medium-related information detected by the detecting means; and

control means for prohibiting the reproduction of the information from the reproducing side if the medium-related information reading means is not consistent with the medium-related information detected by the detecting means, wherein the medium-related information added to the information signals is superimposed on the information signals using a first code, and

said detecting means comprises

means for providing second code identical with said first code, and

means for detecting the medium-related information superimposed on the information signal by processing a detecting process using said second code.

Claim 78. (Previously presented) An information signal recording/reproducing system having a recording device for recording information signals on a recording medium and a reproducing device for reproducing the information signals recorded on the recording medium,

the recording device comprising:

a recording-side device-related information obtaining means for obtaining device-related information related to a recording device for recording the information signals;

information adding means for adding the device-related information obtained by the recording-side device-related information obtaining means to the information signals;

recording means for recording the information signals to which the device-related information has been added by the information adding means on the recording medium; and

the reproducing device comprising:

reproducing-side device-related information obtaining means for obtaining device-related information related to a reproducing device for reproducing the information signals;

information signal reading means for reading the information signals from the recording medium;

detecting means for detecting the device-related information added to the information signs from the information signal reading means;

determining means for determining whether the device-related information from the reproducing-side device-related information obtaining means is consistent with the device-related information detected by the detecting means; and

reproducing control means for controlling reproduction of the information signals only when the device-related information from the reproducing-side device-related information obtaining means is consistent with the device-related information from the detecting means, wherein

said information adding means comprises

means for providing first code, and

means for superimposing on the information signal the device-related information from the recording-side device-related information obtaining means using said first code, and

said detecting means comprises

means for providing second code for providing code identical with said first code, and

means for detecting the device-related information superimposed on the information signal by processing a detecting process using said second code.

Claim 79. (Previously presented) An information signal reproducing device for reproducing information signals to which device-related information related to a recording device has been added and which are recorded on a recording medium, the reproducing device comprising:

reproducing-side device-related information obtaining means for obtaining device-related information related to the reproducing device for reproducing information signals;

information signal reading means for reading the information signals from the recording medium;

detecting means for detecting the device-related information added to the information signals from the information signal reading means;

determining means for determining whether the device-related information from the device-related information obtaining means is consistent with the device-related information detected by the detecting means; and

reproducing control means for controlling reproduction of the information signals only when the determining means indicates that the device-related information from the device-related information obtaining means is consistent with the device-related information detected by the detecting means, wherein the device-related information added to the information signals is and to which superimposed on the information signals using a first code,

said detecting means comprises

means for providing second code identical with said first code and

means for detecting the device-related information superimposed on the information signal by processing a detecting process using said second code.

Claim 80. (Previously presented) An information signal processing system having a output device for output information signals and a reproducing device for reproducing the information signals

the output device comprising:

an output-side device-related information obtaining means for obtaining device-related information related to the output device

information adding means for adding the device-related information obtained by the output-side device-related information obtaining means to the information signals;

output means for outputting the information signals the device-related information has been added by the information adding means; and

the reproducing device comprising:

reproducing-side device-related information obtaining means for obtaining device-related information related to the reproducing device for reproducing the information signals;

information signal input means for inputting the information signals;

detecting means for detecting the device-related information added to the information signals from the information signal input means;

determining means for determining whether the device-related information added to the information from the reproducing-side device-related information obtaining means is consistent with the device-related information detected by the detecting means; and

control means for prohibiting the reproduction of the information signals if the device-related information from the

reproducing-side device-related information obtaining means is not consistent with the device-related information detected by the detecting means.

Claim 81. (Previously presented) The information signal processing system according to claim 80, wherein the output device further comprises recording-side auxiliary recording medium setting means into which an auxiliary recording medium is set, and wherein

the output-side device-related information obtaining means comprises means for obtaining the device-related information from the auxiliary recording medium set into the output-side auxiliary recording medium setting means, and

the reproducing device further comprises reproducing-side auxiliary recording medium setting means into which the auxiliary recording medium is set, wherein

the reproducing-side medium-related information obtaining means comprises means for obtaining the device-related information from the auxiliary recording medium set into the reproducing-side auxiliary recording medium setting means.

Claim 82. (Previously presented) The information signal processing system according to claim 80, wherein the output device further comprises spreading means for spectrum-spreading

the device-related information from the output-side device-related information obtaining means, wherein

the information adding means in the output device comprises means for superimposing the device-related information spectrum-spread by means of the spreading means on the information signals to be output, and

the detecting means in the reproducing device section comprises means for picking up the device-related information spectrum-spread and superimposed on the information signals by inverse spectrum-spreading.

Claim 83. (Previously presented) The information signal processing system according to claim 80, wherein the output device further comprises signal level converting means for converting the device-related information from the output-side device-related information obtaining means into a minute level signal, wherein

the information adding means comprises means for adding the device-related information converted into the minute level signal by the signal level converting means to the information signals to be output, and

the detecting means in the reproducing device

comprises means for picking up device-related information added to the information signals, as the minute level signal.

Claim 84. (Previously presented) The information signal processing system according to claim 80, wherein the output device further comprises enciphering means for enciphering the device-related information from the output-side device-related information obtaining means, wherein

the information adding means in the output device comprises means for adding the device-related information enciphered by the enciphering means to the information signals to be output, and

the detecting means in the reproducing device comprises means for extracting and decoding the device-related information enciphered and added to the information signals, so as to pick up the device-related information added to the information signals.

Claim 85. (Previously presented) The information signal processing system according to claim 80, wherein the reproducing device further comprises information signal preventing means for preventing the information signals from being output when the determined result from the determining means indicates that the device-related information from the reproducing-side device-related information obtaining means is not consistent with the device-related information detected by the detecting means.

Claim 86. (Previously presented) The information signal processing system according to claim 80, wherein the reproducing device further comprises informing means for informing a user that the information signals are not output when the determined result from the determining means indicates that the device-related information from the reproducing-side device-related information obtaining means is not consistent with the device-related information detected by the detecting means.

Claim 87. (Previously presented) The information signal processing system according to claim 80, wherein

- said information adding means comprises
- means for providing first code, and
- means for superimposing the device-related information from the output-side device-related information obtaining means using said first code, and
- said detecting means comprises
- means for providing second code for providing code identical with said first code, and
- means for detecting the device-related information superimposed on the information signal by processing a detecting process using said second code.

Claim 88. (Previously presented) An information signal processing system having an output device for outputting

information signals and a reproducing device for reproducing the information signals,

the output device comprising:

output-side device-related information obtaining means for obtaining device-related information related to the output device;

additional information conversion means for converting additional information on the basis of the device-related information from the output-side device-related information obtaining means ;

information adding means for adding the additional information signals to which the additional information is added by the information adding means; and

output means for outputting the information signals to which the additional information is added by the information adding means; and

the reproducing device comprising:

reproducing-side device-related information obtaining means for obtaining device-related information related to the reproducing device for reproducing the information signals;

information signal input means for inputting the information signals;

additional information detecting means for detecting the additional information added to the information signals from the

information signal input means, on the basis of the reproducing-side device-related information obtaining means; and

control means for prohibiting the reproduction of the information signals if the additional information added to the information signals is not detected by the additional information detecting means.

Claim 89. (Previously presented) The information signal processing system according to claim 88, wherein the output device further comprises output-side auxiliary output device setting means into which an auxiliary output device is set, wherein

the output-side device-related information obtaining means comprises means for obtaining the device-related information from the auxiliary output device set into the output-side auxiliary output device setting means, and

the reproducing device comprises reproducing-side auxiliary output device setting means into which the auxiliary output device is set, and

the reproducing-side device-related information obtaining means comprises means for obtaining the device-related information from the auxiliary output device set into the reproducing-side auxiliary output device setting means.

Claim 90. (Previously presented) The information signal processing system according to claim 88, wherein the additional information conversion means in the output device comprises means for using the device-related information from the output-side device-related information obtaining means as an enciphering key so as to generate the additional information, and wherein

the additional information detecting means in the reproducing device comprises means for detecting the additional information added to the information signals from the information signal reading means by using the device-related information from the reproducing-side device-related information obtaining means as a decoding key to carry out decoding.

Claim 91. (Previously presented) The information signal processing system according to claim 88, wherein the reproducing device further comprises information signal blocking means for blocking output of the information signals when the additional information cannot be detected from the information signals by the additional information detecting means.

Claim 92. (Previously presented) The information signal processing system according to claim 88, wherein the reproducing device further comprises informing means for informing a user that the information signals are not reproduced when the

additional information cannot be detected from the information signals by

the additional information detecting means.

Claims 93-94. (canceled)

Claim 95. (currently amended) ~~The information signal reproducing device according to claim 93,~~ An information signal reproducing device for reproducing information signals to which device-related information has been added, the reproducing device comprising:

device-related information obtaining means for obtaining device-related information related to the reproducing device for reproducing the information signals;

information signal input means for inputting the information signals;

detecting means for detecting the device-related information added to the information signals from the information signal input means;

determining means for determining whether the device-related information from the device-related information obtaining means is consistent with the device-related information detected by the detecting means;

control means for prohibiting the reproduction of the information signals if the device-related information from the

reproducing-side device-related information obtaining means is not consistent with the device-related information detected by the detecting means;

wherein the device-related information added to the information signals is spectrum-spread and superimposed on the information signals,—; and

wherein the detecting means comprises means for picking up the device-related information spectrum-spread and superimposed on the information signals by inverse spectrum-spreading.

Claim 96. (currently amended) ~~The information signal reproducing device according to claim 93,~~ An information signal reproducing device for reproducing information signals to which device-related information has been added, the reproducing device comprising:

device-related information obtaining means for obtaining device-related information related to the reproducing device for reproducing the information signals;

information signal input means for inputting the information signals;

detecting means for detecting the device-related information added to the information signals from the information signal input means;

determining means for determining whether the device-related information from the device-related information

obtaining means is consistent with the device-related information detected by the detecting means;

control means for prohibiting the reproduction of the information signals if the device-related information from the reproducing-side device-related information obtaining means is not consistent with the device-related information detected by the detecting means; and

wherein the device-related information added to the information signals is added as a minute level signal and the detecting means comprises means for picking up device-related information added to the information signals as the minute level signal.

Claims 97-105. (canceled)

Claim 106. (Previously presented) An information signal reproducing method for reproducing information signals to which medium-related information has been added and which are recorded on a recording medium having formed thereon an area different from an area for recording the information signals and in which the medium-related information is recorded, or having a unit accompanying the recording medium in which the medium-related information is recorded, the reproducing method comprising:

a medium-related information reading step of reading the medium-related information from one of the recording medium and the unit accompanying the recording medium;

an information signal reading step of reading the information signals from the recording medium;

a detecting step of detecting the medium-related information added to the information signals in the information signals read by the information signal reading step;

a determining step of determining whether the medium-related information from the reproducing-side medium-related information reading step is consistent with the medium-related information detected by the detecting step; and

a controlling step of prohibiting the reproduction of the information signals if the medium-related information from the reproducing side medium-related information reading step is not consistent with the medium-related information detected by the detecting step.

Claim 107. (Previously presented) The information signal reproducing method according to claim 106, wherein the medium-related information added to the information signals is spectrum-spread and superimposed on the information signals, and

the detecting step comprises picking up the medium-related information that has been spectrum-spread and superimposed on

the information signals by performing inverse spectrum-spreading.

Claim 108. (Previously presented) The information signal reproducing method according to claim 106, wherein the medium-related information added to the information signals is added as a minute level signal, and

the detecting step comprises picking up the medium-related information added to the information signals as the minute signals.

Claim 109. (Previously presented) The information signal reproducing method according to claim 106, further comprising an information signal erasing step of erasing the information signals recorded on the recording medium when the determined result from the determining step indicates that the medium-related information from the medium-related information reading step is not consistent with the medium-related information detected by the detecting step.

Claim 110. (Previously presented) The information signal reproducing method according to claim 106, further comprising an informing step of informing a user that the information signals are not reproduced when the determined result from the determining step indicates that the medium-related information

from the medium-related information reading step is not consistent with the medium-related information detected by the detecting step.

Claim 111. (Previously presented) The information signal reproducing method according to claim 106, wherein the medium-related information added to the information signals is superimposed on the information signals using a first code, and said step of detecting comprises providing second code identical with said first code, and detecting the medium-related information superimposed on the information signal by processing a detecting process using said second code.

Claim 112. (Previously presented) An information signal reproducing method for reproducing information signals to which medium-related information has been added and which are recorded on a recording medium having formed thereon an area different from an area for recording the information signals and in which the medium-related information is recorded, or having a unit accompanying the recording medium in which the medium-related information is recorded, the method comprising:

an information reading step of reading the medium-related information from one of the recording medium and the unit accompanying the recording medium;

an information signal reading step of reading the information signals from the recording medium;

an additional information detecting step of detecting the additional information added to the information signals on the basis of the medium-related information read by information reading step and

a controlling step for prohibiting the reproduction of the information signals if the additional information added to the information signals is not detected by the additional information detecting step.

Claim 113. (Previously presented) The information signal reproducing method according to claim 112, wherein the information signals recorded on the recording medium are signals to which the additional information enciphered by using the medium-related information is added, and

the additional information detecting step comprises a step of detecting the additional information added to the information signals from the information signal reading step by decoding the enciphered additional information using the medium-related information from the information reading step.

Claim 114. (Previously presented) The information signal reproducing method according to claim 112, which comprises an information signal erasing step of erasing the information

signals recorded on the recording medium when the additional information cannot be detected from the information signals by the additional information detecting step.

Claim 115. (Previously presented) The information signal reproducing method according to claim 112, further comprising a step of informing a user that the information signals are not reproduced when the additional information cannot be detected from the information signals by the additional information detecting step.

Claims 116-130. (canceled)

Claim 131. (Previously presented) The information signal recording/ reproducing method according to claim 108, further comprising an informing step of informing a user that the information signals are not reproduced when the additional information cannot be detected from the information signals by means of the additional information detecting step.

Claims 132-145. (canceled)

Claim 146. (previously presented) The information signal reproducing method according to claim 106, wherein the media-

related information added to the information signals is enciphered so as to be added to the information signals, and

the detecting step comprises picking up the medium-related information added to the information signals by extracting and decoding the medium-related information enciphered and added to the information signals.